

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1-43. (Cancelled)

44. (Currently Amended) A method of load control between a transport protocol sender and transport protocol receiver in a radio communications system, the method comprising the step of:

transferring to said transport protocol receiver one or more signals carrying radio resource data from a radio resource management entity of a radio network control node intermediate to said transport protocol sender and said transport protocol receiver, said transport protocol receiver using said radio resource data to dynamically adapt transport protocol load to link state information between the transport protocol sender and the transport protocol receiver.

45. (Previously Presented) The method according to claim 44, wherein the radio resource management entity is a radio network controller.

46. (Previously Presented) The method according to claim 45, wherein the radio network controller controls radio resources of user equipment including said transport protocol receiver.

47. (Currently Amended) A method of load control between a transport protocol sender and transport protocol receiver in a radio communications system, the method comprising the steps of:

transferring to said transport protocol receiver one or more signals carrying radio resource data from a radio resource management entity of a radio network control node intermediate to said transport protocol sender and said transport protocol receiver; and,

transferring one or more signals carrying said radio resource data from a radio link control protocol layer to a transport protocol layer of said transport protocol receiver, said transport protocol layer using said radio resource data to dynamically adapt transport protocol load to link state information between the transport protocol sender and the transport protocol receiver.

48. (Previously Presented) The method according to claim 47, further comprising the step of determining a transport protocol parameter on the basis of said radio resource data.

49. (Previously Presented) The method according to claim 48, wherein the transport protocol parameter comprises a receiver advertised window or a receiver maximum segment size.

50. (Previously Presented) The method according to claim 49, further comprising the step of including the transport protocol parameter in a transport protocol acknowledgement to a transport protocol sender.

51. (Previously Presented) The method according to claim 50, wherein the transport protocol parameter is a parameter of congestion control in the transport protocol sender.

52. (Previously Presented) The method according to claim 51, wherein the transport protocol receiver comprises a User Equipment.

53. (Currently Amended) A method of load control between a transport protocol sender and transport protocol receiver in a radio communications system, the method comprising the step of:

transferring to said transport protocol sender one or more signals carrying radio resource data from a radio resource management entity of a radio network control node

intermediate to said transport protocol sender and said transport protocol receiver, said transport protocol sender using said radio resource data to dynamically adapt transport protocol load to link state information between the transport protocol sender and the transport protocol receiver.

54. (Previously Presented) The method according to claim 53 wherein the radio resource management entity comprises a radio network controller.

55. (Currently Amended) A method of load control between a transport protocol sender and transport protocol receiver in a radio communications system, the method comprising the steps of:

transferring to said transport protocol sender one or more signals carrying radio resource data from a radio resource management entity of a radio network control node intermediate to said transport protocol sender and said transport protocol receiver; and,

transferring one or more signals carrying said radio resource data from a radio link control protocol layer to a transport protocol layer of said transport protocol sender, said transport protocol layer using said radio resource data to dynamically adapt transport protocol load to link state information between the transport protocol sender and the transport protocol receiver.

56. (Previously Presented) The method according to claim 55, further comprising the step of determining a transport protocol parameter on the basis of the transferred radio resource data.

57. (Previously Presented) The method according to claim 56, wherein the transport protocol parameter comprises a sender maximum send window or a sender maximum segment size.

58. (Previously Presented) The method according to claim 57, wherein the sender maximum send window is the upper limit for a transport protocol congestion control send window.

59. (Previously Presented) The method according to claim 58, wherein the radio resource data comprises link state information selected from the group consisting of:

radio link data rate;  
round-trip time;  
block error rate;  
delay; and  
packet loss rate.

60. (Previously Presented) The method according to claim 59, wherein said method provides dynamic load control.

61. (Currently Amended) A method of radio resource management between a transport protocol sender and transport protocol receiver in a radio communications system, the method comprising the step of:

transferring one or more signals carrying radio resource data from a transport protocol sender to a radio resource management entity in a radio network control node intermediate to said transport protocol sender and said transport protocol receiver, said radio resource management entity using said radio resource data to dynamically assign radio resources to link state information between the transport protocol sender and the transport protocol receiver.

62. (Previously Presented) The method according to claim 61, wherein the radio resource management entity comprises a radio network controller.

63. (Previously Presented) The method according to claim 62, wherein radio link data rate is determined on the basis of the transferred radio resource data.

64. (Previously Presented) The method according to claim 63, wherein the radio resource data is selected from the group consisting of:

requested radio link data rate; and

data related to data amount of one or more requested data objects.

65. (Previously Presented) The method according to claim 64, wherein the transport protocol sender comprises User Equipment.

66. (Previously Presented) The method according to claim 65, wherein the radio network controller controls radio resources of user equipment including the transport protocol sender.

67. (Previously Presented) The method according to claim 66, wherein the transport control protocol is the Transport Control Protocol, TCP, used on the Internet.

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